Claims

What is claimed is:

1. A method of applying one or a plurality of options in one
or a plurality of cells in a multi dimensional spreadsheet
5 comprising a plurality of cells identified by a cell address
along each dimension, said method comprising the steps of:

- defining for each option a boolean variable with a first
  value and a second value, preferably a "true" or "false"
  value;

10 • for each of said one or plurality of cells:
  - referencing one or a plurality of boolean variables;
  - associating a logical or mathematical operation with each
    boolean variable;

- for each of said one or plurality of referenced boolean
15 variables in each of said one or plurality of cells:
  - specifying a default value, said default value being
    defined as the value of the cell when the referenced
    boolean variable is set to the first value, preferably
    when the boolean variable is set to the "false" value;
20 - specifying a delta value by applying to the specified
    cell default value, the operation associated with the
    referenced boolean variable when the boolean variable is
    set to the second value, preferably when the boolean
    variable is set to the "true" value;

25 • setting each boolean variable to the first value or to the
  second value;

* for each of said one or plurality of cells:
  * computing said one or plurality of delta values.

2. The method according to the preceding claim wherein the step of computing said one or plurality of delta values comprises the further step of:

* computing the value of the cell from said one or plurality of computed delta values.

3. The method according to the preceding claim wherein said step of associating a logical or mathematical operation with each boolean variable, comprises the preliminary step of:

* specifying either an additive, or a multiplicative or an exclusive operation.

4. The method according to any one of the preceding claims wherein said step of specifying a delta value comprises the further step of:

* defining the delta value as either an additive increment, or a multiplicative factor or an alternate value applied to the specified cell default value when the boolean variable is set to the first value preferably when the boolean variable is set to the "true" value;

5. The method according to any one of the preceding claims comprising the further step of:

* for each of said one or plurality of referenced boolean variables in each of said one or plurality of cells:
  * specifying whether the boolean variable is referenced in the cell by an absolute reference or not, so that any

copy-paste operation performed on the cell results in a cell where the same boolean variable is referenced.

6. The method according to any one of the preceding claims wherein said steps of defining one or a plurality of boolean variables, associating a logical or mathematical operation with each boolean variable, setting each boolean variable to the first value or to the second value are executed by means of an interactive user interface.

7. The method according to any one of the preceding claims wherein said interactive user interface comprises a dialog box, displayed on a screen of a computer system.

8. A system comprising means adapted for carrying out the method according to any one of the preceding claims.

9. A computer program comprising computer readable instructions adapted for carrying out the method according to claims 1 to 7.